Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/03/2017 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124288	-1	1.93	124102	1.91
Blue	F	SSC	125000	124549	-1	3.34	124787	3.17
Blue	E	FITC	23795	23099	-3	2.81	1031	10.62
Blue	D	PE	29673	29010	-3	2.46	1042	10.32
Blue	B	PerCP-Cy5-5	48943	48152	-2	3.76	1380	17.60
Blue	A	PE-Cy7	44112	43601	-2	5.45	671	37.06
Red	C	APC	54273	53629	-2	2.78	3087	9.79
Red	A	APC-Cy7	54945	53910	-2	2.78	1119	11.39
Violet	B	V450	15756	15055	-5	3.80	719	8.86
Violet	A	V500	62569	61053	-3	3.56	2701	6.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19389	3.39	614	0	N/A	N/A	Pass
Blue	F	SSC	61519	1.74	550	4	N/A	N/A	Pass
Blue	E	FITC	114	40.12	550	0	0.0195	163	Pass
Blue	D	PE	226	31.58	548	2	0.1559	312	Pass
Blue	B	PerCP-Cy5-5	214	46.33	639	0	0.0093	76	Pass
Blue	A	PE-Cy7	71	128.68	695	-4	0.0110	19	Pass
Red	C	APC	362	28.40	601	1	0.0187	50	Pass
Red	A	APC-Cy7	122	41.34	578	-6	0.0053	1546	Pass
Violet	B	V450	87	43.51	469	-3	0.0506	2370	Pass
Violet	A	V500	195	23.14	497	-2	0.0130	272	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.22	-30.88	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	16.64	13.27 - 19.91	N/A	N/A	31.13	31.32	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11451

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments